

Forclean - Circulating unit

CIRCULATING UNIT (CU) TO BE INSTALLED BELOW SUSPENDED CEILING OR ONTO MOVABLE BOX



Circulating units are used to supply filtered air to a workplace and to protect the product from ambient contamination.

The design of the circulating unit, together with suitable regulation, provides uniform airflow at the outlet under the unit, with the required speed in the range of $0.3 \div 0.45 \text{ m.s}^{-1}$ (when air density $\rho = 1.2 \text{ kg.m}^3$).

The protective effect is enhanced by attaching flexible or fixed screens along the perimeter of the unit.

When installing the circulating unit in areas without a defined class of cleanliness or in an environment with increased dust generation, a pre-filter is mounted at the suction inlet of the unit.

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S1: Type

110.04/C: circulating unit (CU) to be installed below suspended ceiling or onto movable box

A, B etc. - number of product change

Change C - as of 03/2016 (fluid seal filters, touchscreen)

S2: CU size

A: CU dimensions 1250×625 mm

B: CU dimensions 1250×1250 mm

S3: HEPA filter filtration class

H13: H13 class filtration

H14: H14 class filtration

U15: U15 class filtration

S4: Suction design

H: upper suction

S: Bottom suction from the room (with side structure)

VBO: Suction via HVAC upper structure with side rectangular neck

VHK: Suction via HVAC upper structure with upper round neck

VHO: Suction via HVAC upper structure with upper square neck

S5: Pre-filter

PF: with pre-filter

P0: without pre-filter

S6: Cooling**C0: without cooling**

CH: with cooling

S7: Outlet design

L: perforated metal sheet

P: laminarizator

S8: Lighting

L0: without lighting

L1: with fluorescent lighting

L2: with LED lighting tubes

Lighting - only for the laminarizator version

S9: Control and regulation designs

D: touchscreen, automatic continuous regulation with feedback (allows control from COP)

P: control panel with switches, manual continuous regulation without feedback

V: one switch, manual continuous regulation without feedback - for movable laminar boxes only

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S10: Material and surface finish

AISI: stainless steel AISI 304 SB

9002: steel sheet class 11, hue RAL 9002, 5% extra charge

9016: steel sheet class 11, hue RAL 9016

S11: Screens

Z0 : without screens

Z1 : flexible slat screens

Z2: fixed screens

Z3: flexible antistatic slat screens

Z4: fixed antistatic screens

S12: Screen length

od 0250 : length of screens in mm (min. length of screens 250 mm)

000 - if without screens

S13: Height of expanded-metal covering to the suspended ceiling

DK0: without covering

DK200÷DK999 : height of covering (between upper edge of CU and suspended ceiling) must not be less than 200 mm

S14: Locations of holders of screens and additional covering

BPB : screens at side, front, side side

OBV: screens along the whole perimeter of the unit

PBZ: screens at front, side, rear side

PLE: screens at front and left side (front side is longer), same as rear and right side

PPR: screens at front and right side (front side is longer), same as rear and left side

PRE: screens at front (longer) side

ZDN: screens and covering not specified

S15: Atypical execution

O: Typical execution

Q: Atypical execution

Typical execution

0 - clear choice from the options

Atypical execution

Q - Atypical design, which can not be clearly identified by means of code